Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/31/2017 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126019	0	2.58	125905	2.55
Blue	F	SSC	125000	123940	-1	4.13	124357	4.06
Blue	E	FITC	23615	22694	-4	3.18	1014	10.67
Blue	D	PE	26739	26356	-2	2.83	947	10.40
Blue	B	PerCP-Cy5-5	48339	47379	-2	4.14	1360	17.23
Blue	A	PE-Cy7	45021	45260	0	5.64	696	36.78
Red	C	APC	53064	52135	-2	2.98	3000	10.01
Red	A	APC-Cy7	57175	56737	-1	2.98	1177	11.88
Violet	B	V450	14728	14114	-5	5.30	681	9.52
Violet	A	V500	58621	57687	-2	5.15	2567	7.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16863	12.11	610	-4	N/A	N/A	Pass
Blue	F	SSC	60383	2.84	548	2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	548	0	0.0197	154	Pass
Blue	D	PE	208	30.22	539	3	0.1478	246	Pass
Blue	B	PerCP-Cy5-5	213	46.04	636	1	0.0100	123	Pass
Blue	A	PE-Cy7	75	124.85	696	3	0.0112	18	Pass
Red	C	APC	347	29.35	602	5	0.0180	58	Pass
Red	A	APC-Cy7	128	43.13	585	5	0.0048	1596	Pass
Violet	B	V450	82	41.51	473	3	0.0476	1887	Pass
Violet	A	V500	186	23.62	502	5	0.0150	699	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.80	-31.10	0.83
Blue	20.36	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.26	13.27 - 19.91	N/A	N/A	31.14	31.72	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9505

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments